

*SAS® Life Science Analytics Framework SAS Macro API 2.2.1  
Release Notes  
November, 2019*

The SAS® Life Science Analytics Framework Macro API 2.2.1 is available for use with SAS® Life Science Analytics Framework Java API 2.2.1.

The table below summarizes to the enhancements for this release. For a detailed list of added and modified macros, see the SAS® Life Science Analytics Framework Macros 2.2.1 changes spreadsheet.

<b>Functional Area</b>	<b>Description</b>
StudyService	Macros added: <ul style="list-style-type: none"><li>• lsaf_exportstudytlfs</li><li>• lsaf_exportstudytlfstoworkspace</li></ul>